

**Mid-Atlantic Hydric Soils Committee Meeting**  
**Monday, January 14<sup>th</sup> and Tuesday, January 15<sup>th</sup>, 2002**  
**University of Delaware**  
**Newark, DE**

**Monday**

**A. Introduction**

Present: Kevin Bilash (EPA, PA), Leander Brown (NRCS, MD), Karen Castenson (U Of MD, MD) Steve Carlisle (NRCS, NY), John Galbraith (VA Tech, VA), Jim Gregory (NC State U), Rick Hertges (Intrepid, WV), Phillip King (NRCS, DE), Karl Kunkle (U Of DE, DE), Martin Rabenhorst (U. Of MD, MD), Al Rizzo (USFWS, MD), Carl Robinette (NRCS, MD), Dan Shinder (NJDEP), Ralph Spagnolo (EPA, PA), Ed Stein (NRCS, NY), Maryann Thiesing (EPA, NY), Jeff Thompson (MDE), Lenore Vasilas (NRCS, MD), Bruce Vasilas (U Of DE, DE), Phil Zurhelde (U. of MD, MD)

Brief run-down of the ~~A~~Draft Agenda@because things are always subject to change.

**B. Updates B Hydric Soils Website & Book**

Established they are definitely being used. NRCS in WV needs 15 books. 50 books needed for teaching Reg 4 class. Books to give up ~ 25 from members. Decided to reprint entire book as opposed to new inserts. Money for updates and new books, need \$9,000-\$10,000. Decided to purchase binders commercially (Staples). MDE, EPA RII, USFWS have donations. VA Association of Professional Soil Scientists will donate \$500 and want 50 books in return with their name added to Acknowledgments.

Book updates. Distributed copies of most recent changes in correlation with Version 5.0 of National Hydric Soils Indicator. Discussed changes to indicators, map, intro pages. Copies to be sent to all members, look for typos and recommended changes and call Kevin with comments. Footer needed on each page to note version/date. Put corrections and version on website. Changes needed **B** map representing **AL**@in PA possibly not correct, Intro needs to define what states the Mid-Atlantic Region consists of, Development of SE committee, Recycled Paper note has to be added, Tabs for head of LRRs, Add Carl Robinette's Keys to Non-Hydric Soils. Diagrams **B** need generic diagram to explain how to use, disclaimer to explain they don't cover all possibilities, committee to work on diagrams in the afternoon, add graphs to web, send pictures to Marty, indicator\_initials\_picture#.tiff (ex. A4\_kb\_1.tiff). Put Website URL in book. Put photos on web. Add description for chart to estimate redox 1, 2, 5, 40, 60, 70% and sand grain % coated/uncoated. Cover **B** best photo of profile will become new cover and photo taker will receive free drinks at the Pocono meeting (per Ralph).

**C. Indicator Problems from Around the Region**

Ed Stein toured Lake Champlain, NY soils that are usually inherited gray colors. F3, F6 indicators may be problematic. F3 in 2 sites was false positive. F6 % concentrations may be too low because some non-hydric soils are meeting this. Known problems in Ag areas from

compaction. A question of hydric soil vs. jurisdictional wetland? Keep an eye on Ag lands **B** test positive or take it out? Recommendation to National Committee? Make point in user notes **B** F6 in disturbed situations has cautions (Lenore/Al). Long term goal to gather data to prove F6 indicator should be changed.

TF2 in Catskill Area **B** Red Parent Material. Put caution in user notes **B** one needs to look at ped profiles, if not noticeable, break it open. Comment on what matrix color means. Side comments **B** glossary additions. Main changes are prominent, faint, perched.

Discussion on field trip to U of DE College Farm Woodlot.  
Lunch.

#### **D. Field Trip**

We visited the University of Delaware College Farm Woodlot. The monitoring site is seen, from the graphs in the handout, that hydrology and Eh are present. The soil observably gets saturated and the soil reduces. The problem is that none of the indicator criteria are met. Why?

One possibility is that the water leaves the site through evapotranspiration, therefore, there is no place for the iron to go as it would through normal leaching processes. Note **B** similar systems to this have been observed by a number of committee members along the fall line.

#### **E. Status of Guide to Hydric Soils in the Mid- Atlantic**

Book is targeting consultants. Title **A** Guide to Hydric Soils in the Mid-Atlantic.@ Timeframe was to have chapters ready for this meeting **B** Bruce done, Carl not done, Mary Anne done, Marty not done. Gave 4 weeks for authors to finish writing, due 2/15/02, 4 more weeks to review, due 3/15/02 to Bruce. Publishing with color pictures? Probably too much \$. Pros vs. cons of Lewes Publishing or Government printing? Minimal cost, no kickbacks to authors (govt.) Or higher audience, easier to find in database (Lewes). Decision? Ralph **B** find how much, gratis copies, Lenore check NRCS, Ralph check EPA, colleges?

##### Chapters

Wetland Landscapes  
Hydrology  
Monitoring Wetland Soils  
Ecological Communities  
Regulatory Aspects  
Factors of Soil Form  
Soil Survey  
Probability  
Microbiology  
Formation of Hydric Soil  
Describing Hydric Soil  
local user notes  
Wetland Functions  
Site Assessment

##### Reviewers

Ralph  
Jim, Bill Ritter  
Jim, Dan  
Ralph, Amy Jacobs  
Jeff, Mary Anne  
Ron Taylor, John  
John, Jake  
Jake, Dan  
John, Professor @U Del  
John, Leander  
Ron, Phil  
none  
Karen, Steve  
Al

To review: Keep in mind who target audience is, consider content.

## **F. Breakouts**

**Topic 1:** Finish User Notes **B**You know who you are!!!!

**Topic II:** Discuss the updates of the entire Mid-Atlantic Guide

**Topic III:** Discuss and work on *Guide to Hydric Soils in the Mid-Atlantic*

## **Tuesday**

### **G.**

Present: Kevin Bilash (EPA, PA), Leander Brown (NRCS, MD), Karen Castenson (U Of MD, MD) Steve Carlisle (NRCS, NY), John Galbraith (VA Tech, VA), Jim Gregory (NC State U), Rick Hertges (Intrepid, WV), Phillip King (NRCS, DE), Karl Kunkle (U Of DE, DE), Martin Rabenhorst (U. Of MD, MD), Al Rizzo (USFWS, MD), Carl Robinette (NRCS, MD), Dan Shinder (NJDEP), Ralph Spagnolo (EPA, PA), Ed Stein (NRCS, NY), Ron Taylor (NRCS, NJ), Maryann Thiesing (EPA, NY), Jeff Thompson (MDE), Lenore Vasilas (NRCS, MD), Bruce Vasilas (U Of DE, DE), Phil Zurhelde (U. of MD, MD)

### **H. Follow-up**

John and Marty - rework and distribute to Leander and Carl. Corel vs. Adobe? Mary Anne - inquire about graphic artist. \*Shades and patterns connotative to materials. Telephone Conference 1 hour in two weeks.

## **II. Red Parent Material, ABLS, and Piedmont Study update**

Marty and John. TF2 study. Evaluate, modify, and alternate indicator. Discussed site selection, instrumentation - on site weather station, soil description and sampling, site locations in PA, Garrett County MD, and Prince Wills VA. Color Change Propensity Index (CCPI) <30 problematic b/c >40 is most soils. Manassis VA study well locations and soils.

ABLS study - Marty and Phil discussed mineral stability and pH. Threshold reduction of Fe - technical standard.

Piedmont Study - low terrace/high floodplains. Discussed several sites where there will be a minimum of 16 wells placed at sites on low terraces to understand hydrology. Wells will be placed in a grid fashion on the sites that seemed most similar.

### **J. June's Soils Meeting Thousands Island, NY**

Our meeting - June 18<sup>th</sup> and 19<sup>th</sup>. Definite for Thousands Island - Lenore, Bruce, Leander, Ed, Marty, Ron, Steve, Jeff, Ralph, John.

### **K. Other Meetings**

Set meeting date and place for next January. Probably John's site -VA Piedmont.  
Dates **B** January 14<sup>th</sup> and 15<sup>th</sup>, a Tuesday and Wednesday.

Can we move these meetings to May or October because of classes and academics to avoid high summer and high winter travel? Decision **B** No, keep the same.

Training dates:

Basic Wetlands **B** Gunpowder, April 22<sup>nd</sup> - 26<sup>th</sup>

Intermediate Soils **B** U of Del, July 8<sup>th</sup> - 12<sup>th</sup>

Grasses, Sedges and Rushes **B** Patuxent, June 3<sup>rd</sup> - 7<sup>th</sup>

Plant ID **B** Eastern Neck Wildlife Refuge, September 8<sup>th</sup> - 12<sup>th</sup>

Hydrophytic Vegetation **B** Atlantic City, March 20<sup>th</sup> - 22<sup>nd</sup>

Wetlands Conference **B** October 21<sup>st</sup> - 25<sup>th</sup>

Hydrology Workshop **B** Atlantic City, March, 2003. *Please submit contacts for this one.*

Advanced Hydric Soils **B** Princeton, NJ, week of July 22<sup>nd</sup>

Northeast Soils **B** Amherst, MA, August 8<sup>th</sup> - 10<sup>th</sup>

Question **B** Can we e-mail flyers with all these events?

## **L. NJ Field Trip**

Ron overviewed field trip sites. Decision was to see both. The first site was off Route 47 in a lot behind a commercial real estate sign. The second was nearby, on a lot by the Ahonest@ realty sign, sandwiched between a car salvage yard and 84 Lumber. The sites were of concern because of their unusually green soils. The sites were mapped as either Collington, Kresson, or Marlton Series. The sites were decided by members to meet the F3 indicator but could not definitively meet F6.